WHAT IS CLAIMED IS:

 A method of programmatically starting a node in a clustered computer system, comprising:

assigning a starting state value to the node;

initiating an automated discovery process for discovering a sponsor node in the clustered computer system;

starting the node as a one-node cluster in the clustered computer system if no sponsor node is discovered;

joining the node into the clustered computer system if the sponsor node is discovered; and

assigning the node a state value of active by the clustering infrastructure.

- 2. The method of claim 1, wherein the sponsor node has one of an active state value and a starting state value .
- The method of claim 2, wherein the sponsor node has a name lower than the name of the node if the sponsor node has a starting state value.
- 4. The method of claim 1, wherein discovering a sponsor node in the clustered computer system to sponsor the node into joining the clustered computer system comprises:

sending a cluster ping message to one or more potential sponsor nodes in the clustered computer system;

receiving a response from the one or more potential sponsor nodes;

selecting from the response the first potential sponsor node having a state value of active as the sponsor node to sponsor the node into joining the clustered computer system; and

if no potential sponsor node having a state value of active responds to the cluster ping message, then selecting from the response a potential sponsor node having a state value of starting and having a name lower than the name of the node as the sponsor node.

- 5. The method of claim 4, wherein starting the node as a one-node cluster in the clustered computer system if no sponsor node is discovered comprises starting the node as a one-node cluster in the clustered computer system if the one or more potential sponsors have a state value of starting and a name higher than the name of the node.
- The method of claim 4, further comprising starting the node as a one-node cluster in the clustered computer system if no response is received from the one or more potential sponsor nodes.
- 7. The method of claim 4, further comprising starting a clustering infrastructure of the node, wherein starting the clustering infrastructure of the node comprises: starting the cluster control; and starting the cluster communications by the cluster control.
- The method of claim 7, wherein the discovering is performed by the clustering infrastructure of the node.
- 9. The method of claim 7, wherein the cluster control has a membership list containing the one or more potential sponsor nodes in the clustered computer system; wherein starting the cluster communications by the cluster control comprises transferring the membership list to the cluster communications by the cluster control; and wherein the cluster ping message is sent to the one or more potential sponsor nodes contained in the membership list.
- The method of claim 1, wherein the sponsor node is discovered from a membership list containing all nodes in the clustered computer system.
- 11. The method of claim 7, wherein the cluster ping message is sent to the one or more potential sponsor nodes in the clustered computer system by the cluster communications.

- 12. The method of claim 7, wherein the node is assigned the state value of starting by the cluster communications.
- 13. The method of claim 7, wherein the node is assigned the state value of active by the cluster communications.
- 14. The method of claim 1, wherein the clustered computer system is a decentralized clustered computer system.
- 15. A computer program for starting a node in a clustered computer system embodied in a computer readable medium, the node having a clustering infrastructure, the computer program comprising:
 - a code segment for starting the clustering infrastructure of the node;
- a code segment for assigning the node a state value of starting by the clustering infrastructure;
- a code segment for discovering, by the clustering infrastructure, a sponsor node in the clustered computer system to sponsor the node into joining the clustered computer system;
- a code segment for starting the node as a one-node cluster in the clustered computer system if no sponsor node is discovered:
- a code segment for joining the node into the clustered computer system if the sponsor node is discovered; and
- a code segment for assigning the node a state value of active by the clustering infrastructure.
- 16. The computer program of claim 15, wherein the sponsor node has a state value of active or a state value of starting; and wherein the sponsor node has a name lower than the name of the node if the sponsor node has a state value of starting.

17. The computer program of claim 15, wherein the code segment for discovering, by the clustering infrastructure, a sponsor node in the clustered computer system to sponsor the node into joining the clustered computer system comprises:

a code segment for sending a cluster ping message to one or more potential sponsor nodes in the clustered computer system by the clustering infrastructure;

a code segment for receiving a response from the one or more potential sponsor nodes;

a code segment for selecting from the response the first potential sponsor node having a state value of active as the sponsor node to sponsor the node into joining the clustered computer system; and

a code segment for if no potential sponsor node having a state value of active responded to the cluster ping message, then selecting from the response the potential sponsor node having a state value of starting and having a name lower than the name of the node as the sponsor node to sponsor the node into joining the clustered computer system.

- 18. The computer program of claim 17, wherein the code segment for starting the node as a one-node cluster in the clustered computer system if no sponsor node is discovered comprises a code segment for starting the node as a one-node cluster in the clustered computer system if the one or more potential sponsors have a state value of starting and a name higher than the name of the node.
- 19. The computer program of claim 17, further comprising a code segment for starting the node as a one-node cluster in the clustered computer system if no response is received from the one or more potential sponsor nodes.
- The computer program of claim 17, wherein the clustering infrastructure comprises cluster control and cluster communications.
- 21. The computer program of claim 20, wherein the code segment for starting the clustering infrastructure of the node comprises:

- a code segment for starting the cluster control; and
- a code segment for starting the cluster communications by the cluster control.
- 22. The computer program of claim 18, wherein the cluster control has a membership list containing the one or more potential sponsor nodes in the clustered computer system; and wherein the code segment for starting the cluster communications by the cluster control comprises a code segment for transferring the membership list to the cluster communications by the cluster control.

23. A node, comprising:

a memory containing a node-starting program:

a processor which, when executing the node-starting program, performs an operation comprising:

assigning a starting state value to the node;

initiating an automated discovery process for discovering a sponsor node in the clustered computer system:

starting the node as a one-node cluster in the clustered computer system if no sponsor node is discovered;

joining the node into the clustered computer system if the sponsor node is discovered; and

assigning the node a state value of active by the clustering infrastructure.